

EENS Job Risk Assessment

Name(s) of Risk Team Members: P. Carr, Y. Celebi, D. Elling, L. Gerlach, E. Hoey, A. Piper	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Mechanical Material Handling Job Number or Job Identifier: EENS-JRA-016 JRA Date:	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Mechanical Material Handling inclusive of use of overhead cranes, forklifts, pallet jacks, hoists, hand trucks, drum racks, etc.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional): Overhead crane operator, Forklift operator Applicable Standard Operating Procedures:	Likelihood (D)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: Date: 3/6/06 Rev: Draft						
Stressors (if applicable, please list all) Poor Lighting, inclement weather, time constraints	Reason for Revision (if applicable):				Comments:	

Activity	Hazard	Control(s)	Before Additional Controls						Control(s) Added to Reduce Risk	After Additional Controls						% Risk Reduction
			Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
Select rigging equipment, move to and from load area, connect to load and lifting device.	Overexertion, strain/sprain injuries from excessive lifting, pushing, pulling, holding, carrying	proper lifting technique, assistance from others, handle built into load, training, back support, review of ESR, mechanical assistance as needed.	N	1	3	2	2	12								
	Injury from slips/falls to same level while carrying items	floor maintenance; good footwear; housekeeping, assistant (spotter), Tier 1 , facility awareness, review of ESR	N	1	3	2	3	18								

EENS Job Risk Assessment

Activity	Hazard	Control(s)	Before Additional Controls						Control(s) Added to Reduce Risk	After Additional Controls						% Risk Reduction
			Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
	Cuts, abrasions	Use of gloves, handles built into load	N	1	3	1	3	9								
Using overhead electric cranes to lift loads	Being struck by a dropped object	Training, safety shoes, hard hat, equipment inspections, knowledge of weight of the load, postings	N	1	3	5	2	30								
Using overhead electric cranes to travel with lifted loads	Being struck by a dropped object or moving load, striking personnel with load or crane hook	Training, safety shoes, hard hat, equipment inspections, knowledge of weight of the load, postings, assistant operator, verify clear path of travel, visual and audible warnings on crane	N	2	2	4	1	16								
Using overhead manual cranes to lift loads	Being struck by a dropped object	Training, safety shoes, hard hat, equipment inspections, knowledge of weight of the load, postings	N	1	3	5	2	30								
Using overhead manual cranes to travel with lifted loads	Being struck by a dropped object or moving load, striking personnel with load or crane hook	Training, safety shoes, hard hat, equipment inspections, knowledge of weight of the load, postings, assistant operator, verify clear path of travel, visual and audible warning on crane	N	2	2	4	1	16								
Inspection of fork truck prior to use	Cuts and abrasions	Training, use of appropriate PPE (e.g.: safety glasses, gloves, etc).	N	1	3	1	1	3								
Moving load using fork truck	Struck by load/forklift, crushing injury's	Neutral safety switch, inspections, scheduled maintenance, qualified/trained operator, proper securement of load, knowledge of weight of the load	N	1	2	5	2	20								

EENS Job Risk Assessment

Activity	Hazard	Control(s)	Before Additional Controls						Control(s) Added to Reduce Risk	After Additional Controls						% Risk Reduction
			Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
Moving load using pallet jack	Overexertion from pushing/pulling, crushing injuries	Safety shoes, proper securement of load, training, inspection of travel path, known weight of the load, proper securement of load, maintenance of equipment	N	1	3	3	2	18								
Moving load using engine hoist or other manual hydraulic lift	Being struck by the load	Training, safety shoes, maintenance, inspection of rolling surface, inspection of lift before use	N	1	3	3	2	18								

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable